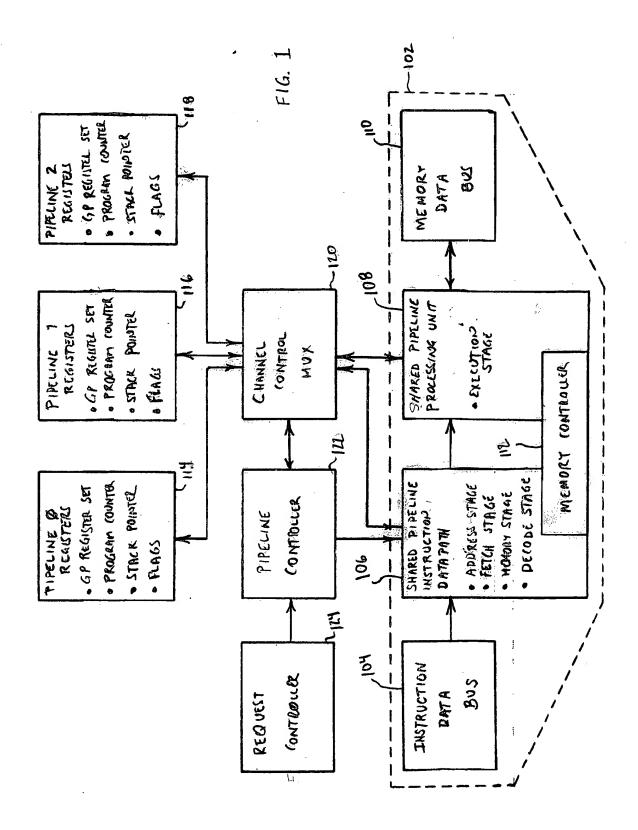
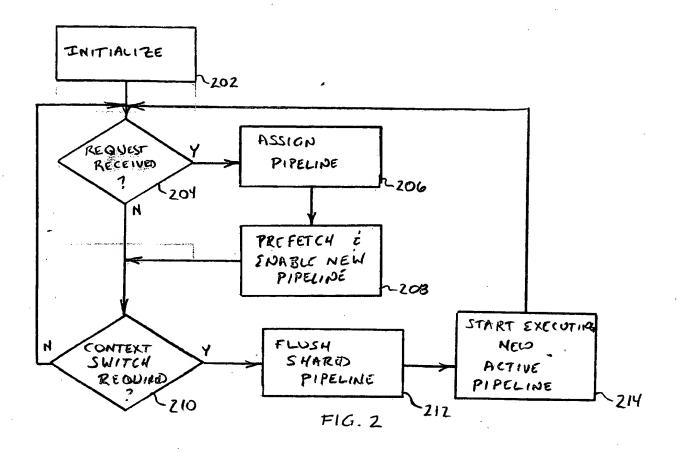


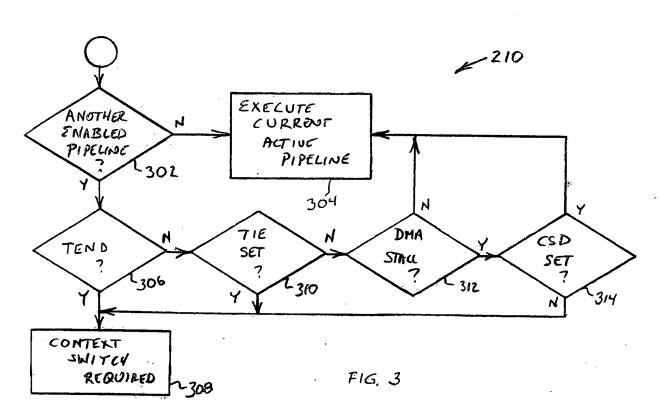
"Context Switching Pipelined Microprocessor" Inventors: Yearsley, Gyle D. et al. Atty. Docket No.: M-11750 US; Sheet 1





"Context Switching Pipelined Microprocessor" Inventors: Yearsley, Gyle D. et al. Atty. Docket No.: M-11750 US; Sheet 2-6

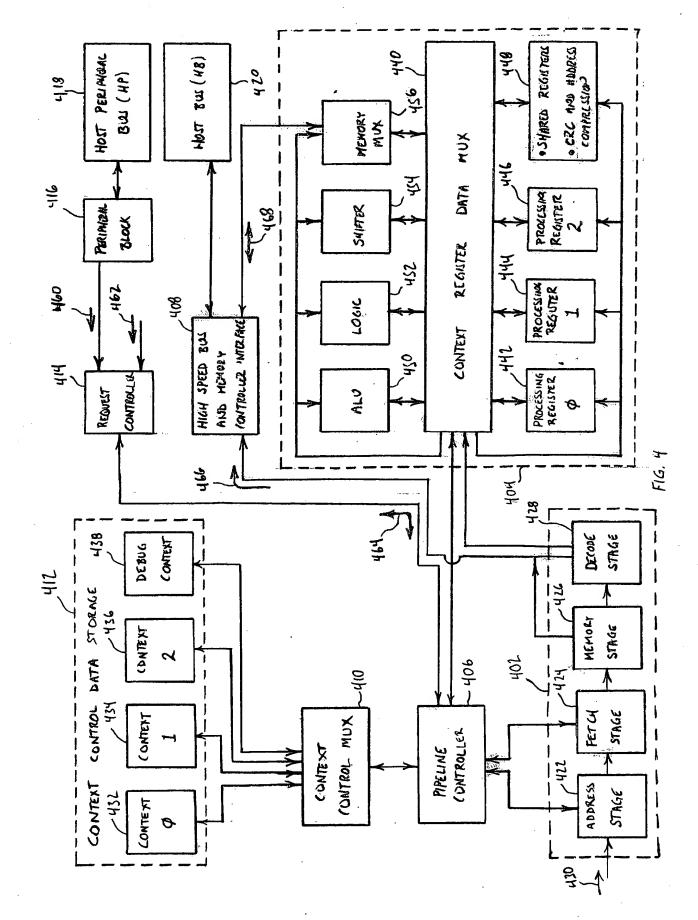




12 TO SERVICE STREET



"Context Switching Pipelined Microprocessor" Inventors: Yearsley, Gyle D. et al. Atty. Docket No.: M-11750 US; Sheet 3





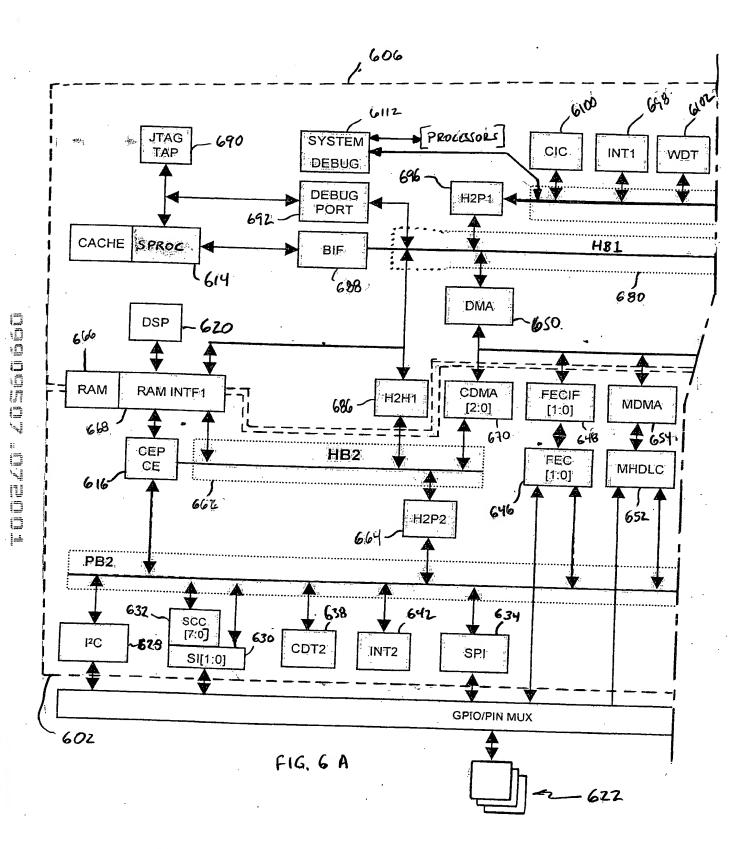
"Context Switching Pipelined Microprocuror" Inventors: Yearsley, Gyle D. et al. Atty. Docket No.: M-11750 US; Sheet 4 or 6

Register IWI23:201 Register Name Register IWI19:16J R0 0000 GP Register 1 R0 0000 R1 0001 GP Register 1 R1 0001 R2 0010 GP Register 3 R2 0010 R3 0011 GP Register 5 R3 0011 R4 0100 GP Register 5 R5 0101 R5 0101 GP Register 5 R5 0101 R6 0110 GP Register 5 R5 0101 R7 0111 GP Register 7 R6 0110 R8 1000 R8 1000 R9 R9 1001 Reserved R8 1000 R9 1001 Reserved R9 1001 R10 Spack Pointer R1 R1 101 R11 CRC Data R13 110 R14 1110 CRC Remainder Data R14 111 Addt Compression Mack	Destination Address	n Address		Source Address	ddress	
0000 GP Register 0 R0 0001 GP Register 1 R1 0010 GP Register 2 R2 0011 GP Register 3 R3 0100 GP Register 4 R4 0101 GP Register 5 R4 0110 GP Register 6 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1100 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial IMM Addr Compression Mask IMM	Register	TW[23:20]	Register Name	Register	19101161	O CONTRACTOR OF THE CONTRACTOR
0001 GP Register 1 R1 0010 GP Register 2 R2 0011 GP Register 4 R3 0100 GP Register 5 R4 0101 GP Register 5 R5 0110 GP Register 7 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1100 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial RMM	RO	0000	GP Register 0	RO	0000	CD Register 0
0010 GP Register 2 R2 0011 GP Register 3 R3 0100 GP Register 4 R4 0101 GP Register 5 R5 0110 GP Register 7 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial IMM	l	1000	GP Register 1	R1	0001	GP Register 1
0011 GP Register 3 R3 0100 GP Register 4 R4 0101 GP Register 5 R5 0110 GP Register 7 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1111 CRC Polynomial IMM	R2 ·	0010	GP Register 2	R2	0010	GP Régister 2
0100 GP Register 4 • R4 0101 GP Register 5 R5 0110 GP Register 6 R6 0111 GP Register 7 R6 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial R14 1111 CRC Polynomial IMM	R3	0011	GP Register 3	R3	0011	Register 3
0101 GP Register 5 R5 0110 GP Register 6 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Remainder Data R14 1111 CRC Polynomial IMM	R4	00100	GP Register 4	• R4	0100	GP Register 4
0110 GP Register 6 R6 0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial R14 1111 CRC Polynomial IMM	R5	. 1010	GP Register 5	R5	0101	GP Register 5
0111 GP Register 7 R7 1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial IMM Addr Compression Mask IMM	R6	0110	GP Register 6	R6	0110	GP Register 6
1000 Reserved R8 1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial R14 Addr Compression Mask IMM	R7	0111	GP Register 7	R7	0111	GP Register 7
1001 Reserved R9 1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Remainder Data R14 1111 CRC Polynomial IMM	R8 .	1000	Reserved	R8	1000	Reserved
1010 PipeLine R10 1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Remainder Data R14 1111 CRC Polynomial IMM	R9	1001	Reserved	R9	1001	Reserved
1011 Stack Pointer R11 1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Remainder Data R14 1111 CRC Polynomial IMM Addr Compression Mask IMM	R10	1010	PipeLine	R10	1010	PipeLine
1100 Command R12 1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Remainder Data R14 1111 CRC Polynomial IMM Addr Compression Mask Addr Compression Mask	RII	1011	Stack Pointer	R11	1011	Stack Pointer
1101 CRC Data/ R13 Addr Compression Data R14 1110 CRC Polynomial IMM Addr Compression Mask IMM	R12	1100	Command	R12	1100	Command
Addr Compression Data	R13	1101	CRC Data/	R13	1101	CRC Data/
1110 CRC Remainder Data R14 1111 CRC Polynomial IMM Addr Compression Mask Addr Compression Mask			Addr Compression Data			Addr Compression Data
1111 CRC Polynomial IMM Addr Compression Mask	R14	1110	CRC Remainder Data	R14	1110	CRC Remainder Data
Addr Commession Mask	R15	1111	CRC Polynomial	IMM	1111	Immediate Data
TOTAL			Addr Compression Mask			

F16. 3



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